

---

## IN THE UNITED STATES PATENT & TRADEMARK OFFICE

---

<i>Applicant:</i>	Gary Lynn Hanley	<i>Examiner:</i>	Omgba, Essama
<i>Serial #:</i>	10/736,019	<i>Art Unit:</i>	3726
<i>Filing Date:</i>	15 December 2003	<i>Date:</i>	26 February 2007
<i>Title:</i>	Process for Removing Thermal Barrier Coatings		

---

Commissioner of Patents & Trademarks  
Washington, D.C. 20231

### Rule 132 Declaration

State of Florida  
County of Martin

Declarant, Stuart M. Shay, declares and states as follows:

1. *That I am currently Co-President of TurboCombustor Technology, Inc., in Stuart, Florida, and have been at the company for twenty five (25) years;*
2. *That prior to my employment at TurboCombustor Technology, Inc., I was employed at Hamilton Standard as a Business Representative for eighteen (18) years;*
3. *That I graduated from City College of New York (CCNY) in New York City with a bachelor's degree in mechanical engineering (BME);*
4. *That my responsibilities as Co-President of TurboCombustor Technology, Inc. include the standard duties of a president of a corporation;*
5. *That I have reviewed the Office Actions issued by the Examiner on June 2, 2006 and November 27, 2006 and have read and understood the references identified therein, including the most recently cited references, namely US Patent 4,020,535 by Cuneo (the "Cuneo reference") and US Patent 6,663,919 by Farmer (the "Farmer reference");*
6. *That the cited Cuneo and Farmer references do not teach of a process that uses an air jet containing particulate media to remove a thermal barrier coating on the surface of a substrate, while leaving the surface of the substrate undamaged;*

7. *That* the process described in the cited Cuneo reference damages unprotected portions of the substrate of the workpiece, and does not remove the coating on the surface of that substrate;
8. *That* to the best of my knowledge, the Turbocombustor process disclosed in the patent application at issue is the first process that uses a low pressure air jet containing particulate media to remove a coating from the surface of the substrate of the workpiece while leaving the surface of the substrate undamaged;
9. *That* since introduction of the product into the market three (3) months ago, the process has been employed on approximately five hundred (500) combustors, and is known within the industry as being the preferred process of hole drilling, with essentially no increase in the advertising budget at TurboCombustor Technology, Inc.;
10. *That* the commercial success of the product indicates that currently available alternatives did not meet the needs of the marketplace, including those identified in the Cuneo and Farmer references, since market acceptance of the TurboCombustor Technology, Inc. invention has been predicated mainly upon the technical merits of the process, rather than related to the size of the marketing budget; and
11. *That* the TurboCombustor Technology, Inc. invention is not disclosed in the Cuneo and/or Farmer references, and is not an obvious variation of the Cuneo and/or Farmer references.

That declarant further declares that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine, imprisonment or both under §1001 of Title 18 of the United States Code, and that the willful false statements may jeopardize the validity of the application or any patent issuing thereon.



---

Stuart M. Shay

2/23/07

---

Date